

TENDRING  
RURAL DISTRICT  
COUNCIL

ANNUAL REPORT

of the

Medical Officer of Health

for 1963









TENDRING RURAL DISTRICT COUNCIL

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1963

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C. P. HARVEY, Esq.

Vice-Chairman:

MRS M. C. WRIGHT.

MEMBERS OF THE PUBLIC HEALTH COMMITTEE

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Vice-Chairman: Mr. C. P. HARVEY.

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R. A. STENHOUSE, L.M.S.S.A.(Lond.), D.P.H., (R.C.P & S.,)  
F.R.I.P.H.H.

Medical Officer of Health to the Urban Districts of  
Brightlingsea, Clacton, Frinton and Walton, the Rural District  
of Tendring and Assistant County Medical Officer.

G. W. YEARSLEY, Cert. R.S.H., M.A.P.H.I.

Chief Public Health Inspector.

J. SMITH, Cert. R.S.H., M.A.P.H.I., Cert. I. Housing.

Deputy Chief Public Health Inspector.

T. M. WHITE, Cert. R.S.H., M.A.P.H.I.

Additional Public Health Inspector.

J. McLELLAN, Cert. R.S.A.Scot., Cert. R.S.A.Scot. Meat and

Foods.

Additional Public Health Inspector.

(commenced 1st November, 1963)

Miss V. G. HENAGULPH,

Clerk to the Medical Officer of Health.

R. G. DEBNAM,

Clerk to the Chief Public Health Inspector.

Miss B. WOOD,

Shorthand/Typist to the Chief Public Health Inspector.



Council Offices,  
Weeley,  
Clacton-on-Sea,  
Essex.

Telephone:  
Weeley 455.

June, 1964.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the state of the Public Health in the Rural District of Tendring for the year 1963.

The Registrar General 's Estimate of the population for the year has increased by 320.

The birth rate is higher than last year, with 26 more births being recorded in 1963. The birth rate of 15.6 is 2.6 below the national rate.

The still birth rate is higher than the national average; while the infant mortality rate is lower than the national figure of 20.9 at 2.6, which is an decrease on last year, only one infant death having been recorded.

The death rate continues to be lower than the national figure, that is 10.08 as compared with 12.2.

During the year 664 cases of infectious disease were notified, of which 597 were measles, this disease having followed the usual biennial pattern.

The attendance at the County Clinics has been satisfactory. 300 children have received primary inoculation against whooping cough and 142 had booster doses. In the case of diphtheria 378 children had their first injection and 562 received their booster doses. 122 infants and children were vaccinated for the first time against smallpox and 97 were re-vaccinated.

On the whole, the health of the community in this district has remained excellent.

Progress with new sewage works has continued satisfactorily, and details of this work are given elsewhere in the report, but in this connexion mention must again be made of the lack of provision for adequate surface water drainage in many parts of the area. This results in the



flooding of roads and properties and surcharging of sewers whenever heavy rain-storms occur, which under some circumstances has led to pollution of shallow wells, and, therefore represents a public health hazard.

We were very glad to be able to welcome Mr. J. McLellan last November in the new post of Additional Public Health Inspector. The filling of this post, after some difficulty and delay, will enable the requirements of the new Meat Inspection Regulations, 1963, and the Offices, Shops and Railway Premises Act, 1963, coming into effect this year to be adequately met, without the difficulty which would have otherwise occurred.

In conclusion, I would like to express my gratitude to the Council, the Public Health Committee, and Officers of the Council for their co-operation during the year, and to the staff of the Public Health Department for their work.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

R. A. STENHOUSE,

Medical Officer of Health.



# STATISTICAL SUMMARY

Area in acres	...	...	65,884
Population			
1963 Registrar General's Estimate			25,340
1961 Census	...	...	24,733
Density of population per acre	...	...	0.38
Rateable value	...	...	£634,909
Sum represented by penny rate (1963-1964)			£2,593
Number of inhabited dwellings (approx.)			8,800
Census	...	...	8,335
Total live births	...	...	374
Live birth rate crude	...	...	14.7
Live birth rate corrected	...	...	15.6
Birth rate (England and Wales)	...	...	18.2
Total still births	...	...	10
Total live and still births	...	...	384
Still birth rate	...	...	26.6
Still birth rate (England and Wales)	...	...	17.3
Total deaths	...	...	361
Death rate crude	...	...	14.2
Death rate corrected	...	...	10.08
Death rate (England and Wales)	...	...	12.2
Death of infants under one year of age			1
Infant mortality rate - total	...	...	2.6
Infant mortality rate (England and Wales)			20.9
Infant mortality rate - legitimate	...	...	2.7
Infant mortality rate - illegitimate	...	...	-
Neo-natal mortality rate	...	...	2.6
Early neo-natal mortality rate	...	...	2.6
Perinatal mortality rate	...	...	28.6
Number of illegitimate births	...	...	17
Percentage of total births	...	...	14.1
Deaths from diarrhoea (under 2 years of age)			-
Maternal deaths (including abortion)	...	...	-
Maternal mortality rate	...	...	-
Total deaths due to cancer	...	...	49
Total deaths due to cancer of lung	...	...	12
Tuberculosis deaths	...	...	1



The principal causes of, and various ages at, death are given in the following tables:-

CAUSES OF DEATH DURING 1963

Cause of Death	Male	Female	Total
Tuberculosis, respiratory	-	1	1
Syphilitic Disease	1	-	1
Measles	-	1	1
Cancer (all sites)	23	26	49
Diabetes	-	1	1
Vascular lesions of nervous system	37	47	84
Coronary disease, angina	42	37	79
Hypertension with heart disease	3	4	7
Other heart disease	17	24	41
Other circulatory disease	10	8	18
Influenza	1	2	3
Pneumonia	11	7	18
Bronchitis	12	6	18
Other diseases of respiratory system	1	-	1
Ulcer of stomach and duodenum	1	1	2
Hyperplasia of prostate	1	-	1
Congenital malformations	-	2	2
Other defined and ill-defined diseases	12	14	26
Motor vehicle accidents	1	-	1
All other accidents	3	2	5
Suicide	2	-	2
	<hr/>	<hr/>	<hr/>
	178	183	361
	<hr/>	<hr/>	<hr/>

DEATHS AT VARIOUS AGES DURING 1963

Under 1 year	1
1 - 4 years	1
5 - 14 years	7
15 - 24 years	-
25 - 34 years	2
35 - 44 years	9
45 - 54 years	12
55 - 64 years	48
65 - 74 years	91
75 and over	190
	<hr/>
	361
	<hr/>



# PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES

The following figures show the number of infectious diseases which were notified in the district during 1963:-

Disease	Cases Notified	Cases at Hospital	Cases at Home	Cases Confirmed	Deaths
Infective Hepatitis	1	-	1	1	--
Measles	597	-	597	597	--
Pneumonia	8	-	8	8	--
Ophthalmia	1	-	1	1	--
Neonatorum	1	-	1	1	--
Scarlet Fever	30	-	30	30	--
Sonnei	3	-	3	3	--
Dysentery	3	-	3	3	--
Whooping Cough	24	-	24	24	--
Totals:	664	-	664	664	-

## TUBERCULOSIS 1963.

Age Groups of the six cases notified during the year are given in the table below:-

Age Groups in Years	New Cases			
	Respiratory		Non-Respiratory	
	M	F	M	F
1 - 4	1	1	-	--
5 - 15	-	1	-	-
25 - 35	1	1	-	--
45 - 55	-	1	-	--
Totals:	2	4	-	--



NOTIFICATIONS AND DEATHS FROM TUBERCULOSIS SINCE 1956

Year	New Cases	Deaths
1956	4	1
1957	10	4
1958	9	3
1959	2	2
1960	10	3
1961	4	2
1962	8	-
1963	7	1

The following figures give the number of cases on the register at the end of 1963:-

Respiratory Male	38	Non-respiratory Male	6
Respiratory Female	28	Non-respiratory Female	7
	<hr/>		<hr/>
	66		13
	<hr/>		<hr/>

Total: 79.



## SANITARY CIRCUMSTANCES OF THE AREA

### WATER SUPPLIES

The Tendring Hundred Waterworks Company supply and distribute all the mains water in the district. The following information about the Waterworks Company's supply has been given by Mr. W. A. Burrows, M.I.Mech.E., M.I.W.E., the Chief Engineer to the Company:-

"Practically the whole of the water supplied to the district was obtained from our Dedham Pumping Station, with some assistance from the Company's subsidiary sources at Lawford during the summer peak period.

The estimated quantity of water supplied to the area of the Tendring Rural District, in the 12 months ended 31st December 1963, amounted to 200.549 million gallons; an average daily consumption of 0.549 million gallons.

The total quantity taken for domestic purposes during the year was 98.885 million gallons; an average daily consumption of 0.271 million gallons. The total amount taken through trade meters was 101.364 million gallons; an average daily consumption of 0.278 million gallons.

The total number of connections (domestic and trade) made in the year in the Rural District, amounted to 393.

Approximately 4,977 yards of new main were laid in the Tendring Rural District during the year; also 423 yards of 3", 6", 12" and 15" diameter main have been relaid in Harwich Road, Wix.

The supply of water to the district has been satisfactorily maintained both in quality and in quantity.

Samples of raw water are taken quarterly; these are generally for chemical analysis only. Particulars of the maximum and minimum results are included in this report.

The monthly samples at each station are taken after aeration and chlorination and for these both the chemical and bacteriological results are given in the report.

In addition to the above, samples are also taken quarterly of all water stored in the Company's reservoirs, tanks and water towers. These samples are submitted for bacteriological examination only.



There is no evidence of plumbo-solvent action.

At the pumping stations where continuous chlorination is carried out, a test of the chlorine residual is made once per shift (i.e. every 8 hours) a residual of 0.2 p.p.m. of chlorine is maintained. If the chlorine residual falls below this figure the water is re-tested and if still low the chlorine dose is raised to give the required residual. This happens very rarely.

If samples taken from storage show high bacterial counts, then a repeat sample is taken and submitted to Dr. G. U. Houghton at the South Essex Waterworks Company's laboratory at Langham for presumptive test, the results of which are known within 48 hours. If the high count is confirmed the storage reservoir etc. is taken out of service while the contents are thoroughly sterilized with a fairly high dose of chlorine. This is done by injecting chlorine at the booster pump delivery and circulating the water through the reservoir on a closed circuit. The reservoir is then allowed to stand until the chlorine residual has returned to normal and is only brought into service again after another sample has been submitted for bacteriological examination and has been proved satisfactory.

The population supplied is 24,733 and there are 800 standpipes."



PUBLIC WATER MAINS.

Dwelling houses connected to public water mains.

Parish	Number of houses	Population 1961 Census
Alresford	330	926
Ardleigh	281	1,860
Beaumont	89	352
Great Bentley	340	1,155
Little Bentley	56	260
Bradfield	237	811
Great Bromley	158	780
Little Bromley	20	256
Little Clacton	655	1,647
Elmstead	209	854
Frating	53	323
Lawford	602	1,974
Manningtree	186	524
Mistley	657	2,115
Great Oakley	224	680
Little Oakley	297	978
Ramsey	672	2,276
St. Osyth	977	1,857
Tendring	120	815
Thorpe-le-Soken	509	1,606
Thorrington	189	689
Weeley	365	951
Wix	178	665
Wrabness	109	379
	<u>7,513</u>	<u>24,690</u>



TENDRING HUNDRED WATERWORKS COMPANY

DEDHAM WORKS - WATER ANALYSES

Chemical Results in Parts per Million

	<u>Maximum</u>	<u>Minimum</u>
Colour	Nil	Nil
pH.	7.7	7.5
Electric Conductivity	950	865
Chlorine present as Chloride	136	118
Hardness        Total	300	290
Carbonate	275	250
Non-Carbonate	40	20
Nitrate Nitrogen	0.3	0.0
Ammoniacal Nitrogen	0.35	0.22
Albuminoid Nitrogen	0.000	0.000
Metals    (Iron)	0.16	0.10
Turbidity                    less than	3	Nil
Odour	Nil	Nil
Free Carbon Dioxide	25	10
Total solids	610	560
Alkalinity as Calcium Carbonate	275	250
Nitrite Nitrogen                    less than	0.01	Absent
Oxygen absorbed	0.30	0.00
Residual chlorine	0.20	Absent
Fluorides	1.7	1.0



## BACTERIOLOGICAL RESULTS

		1 day <u>at 37°C.</u>	2 days <u>at 37°C.</u>	3 days <u>at 20°C.</u>
Number of Colonies developing on Agar.	Minimum	0 per ml.	0 per ml.	0 per ml.
	Maximum	1 per ml.	1 per ml.	1 per ml.
		<u>Present</u> <u>in</u>	<u>Absent</u> <u>from</u>	<u>Probable</u> <u>Number</u>
Presumptive coliacrogenes Reaction.		- ml.	100 ml.	0 per ml.
Bact. coli (Type 1).		- ml.	100 ml.	0 per ml.
Cl. welchii Reaction.		- ml.	100 ml.	

### REMARKS.

These samples are practically clear and bright in appearance have a reaction on the alkaline side of neutrality and are free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. It conforms to the highest standard of organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

All samples were analysed by the Counties Public Health Laboratories.



## HOUSING.

### New houses erected:-

By the Council	2
By Private Enterprise	178

### Houses improved and/or repaired:-

With Discretionary Grants (Privately Owned)	12
With Standard Grants (Privately Owned)	57
With Discretionary Grants (Council Owned)	77

## SEWERAGE AND SEWAGE DISPOSAL

### Western Area Sewerage Scheme.

This scheme, covering the villages of Alresford, Elmstead, Thorrington and Great Bentley, has reached completion with the construction of the following lengths of gravity sewer which were laid during the years:-

9" dia	-	1,821 yards.
6" dia	-	197 yards.
9" dia	-	438 yards of surface water sewer was also laid.

### St. Osyth.

Work on this scheme was commenced in May, 1963, and the following sewers were constructed up to the end of the year:-

6" dia	-	2,180 yards
9" dia	-	450 yards
12" dia	-	770 yards
15" dia	-	250 yards

However these will not be brought into service until the Sewage Disposal Works have been completed. Work on these latter is expected to commence in May. Meanwhile, in order to permit limited development to take place, a Humus Lagoon has been constructed at the Spring Road Works.



### Great Oakley.

This scheme has been approved in principle by the Ministry of Housing and Local Government and permission to proceed to tender by public advertisement is awaited.

### Parkeston

With the approval and consent of the Essex River Board, an interim scheme has been prepared for pumping screened sewerage through the railway embankment into tidal waters. Work on this scheme, using direct labour is in progress.

### Weeley.

In mid-September, a Dutch "Aeration" Type Sewage Disposal Works was completed and brought into operation. These works treat the sewage from The Street, Weeley, including the Council's Housing Site, and the recently developed private estate.



REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR.

SANITARY INSPECTION.

The following is a summary of the principal inspections and visits made by the Public Health Inspectors during the year and the Notices served:-

	Total Inspections	Notices Served	
		Informal	Formal
Houses unfit	85	-	49
Houses unfit revisits	351	-	-
Houses with defects	63	14	-
Houses with defects revisits	32	-	-
Houses drainage	164	6	-
Houses sanitary accommodation	1	-	-
Houses overcrowding	3	-	-
Houses verminous or dirty	10	-	-
Improvement Grants	495	-	-
Water supplies	235	3	2
Water samples collected	54	-	-
Schools	1	-	-
Food Premises and Food Vehicles	38	3	-
Factories	29	-	-
Shops	11	-	-
Camping Grounds and Caravans	96	6	-
Infectious disease enquiries	49	-	-
Food Poisoning Enquiries	1	-	-
Refuse Tips and Deposits	99	15	-
Premises Inspected for Rats and Mice	659	2	-
Polluted Rivers and Ditches	49	3	-
Sewage Works	15	-	-
Ice Cream Premises	10	-	-
Piggeries	4	-	-
Slaughterhouses	602	3	-
Nuisances from animals	13	3	-
Contractors or Owners interviewed	118	-	-
Flooding	5	4	-
Swill Boiling Plant	7	-	-
Animal Boarding Establishments	2	1	-
Massage Establishments	1	-	-
Miscellaneous	201	-	-
	<hr/> 3,503 <hr/>	<hr/> 63 <hr/>	<hr/> 51 <hr/>



FACTORIES

FACTORIES ACT, 1961

PART I OF THE ACT.

1.       Inspections for purposes of provisions as to health.

Premises (1)	Number on Register (2)	Number of Inspections (3)	Written Notices (4)	Occupiers prosecuted (5)
i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities.	5	3	-	-
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.	85	26	-	-
iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises).	-	-	-	-
Totals:	90	29	-	-



2. Cases in which defects were found.

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	To H.M. Inspector. (4)	Referred By H.M. Inspector. (5)	
Want of Cleanliness (S.1).	-	-	-	-	-
Overcrowding (S.2.)	-	-	-	-	-
Unreasonable temperature (S.3.)	-	-	-	-	-
Inadequate ventilation (S.4.)	-	-	-	-	-
Ineffective drainage of floors (S.6.)	-	-	-	-	-
Conveniences (S.7.)					
a) Insufficient	-	-	-	-	-
b) Unsuitable or defective	-	-	-	-	-
c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to outwork)	-	-	-	-	-
Totals:	-	-	-	-	-



PART VIII OF THE ACT.

SECTIONS 110 AND 111

Section 110				Section 111
Nature of work  (1)	Number of Outworkers in August list re- quired by Section 110 (1) (c) (2)	Number of cases of default in sending lists to the Council (3)	Number of prosecu- tions for failure to supply lists (4)	Number of instances of work in unwholesome premises (5)
Wearing Apparel Making etc	8	-	-	-